

c.) Amendments to the Claims**Status Identifiers of the Claims**

1. (Cancelled)
2. (Cancelled)
3. (Cancelled)
4. (Cancelled)
5. (Cancelled)
6. (Cancelled)
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14. (Cancelled)
15. (Cancelled)
16. (Cancelled)
17. (Cancelled)
18. (Cancelled)
19. (Cancelled)
20. (Cancelled)
21. (Currently amended)
22. (Cancelled)
23. (Cancelled)
24. (Previously presented)
25. (Currently amended)
26. (Currently amended)
27. (Previously presented)
28. (Previously presented)

- 29. (Currently amended)
- 30. (Currently amended)
- 31. (Previously presented)
- 32. (Cancelled)
- 33. (Previously presented)
- 34. (Previously presented)
- 35. (Previously presented)
- 36. (Previously presented)
- 37. (Previously presented)
- 38. (Previously presented)

Listing of Claims

Claim 1-20 (cancelled)

21. (Currently amended): A protein standard comprising a collection of polypeptides wherein;

- (a) the protein standard contains at least three polypeptides of different known size and of different known amount;
- (b) the size of all of the polypeptides covers a range that is separable by a given polyacrylamide gel electrophoresis; and
- (c) the amounts of all of the polypeptides cover a range that is detectable by a given detection assay; ~~and~~
- ~~(d) the amounts of polypeptides represent different amounts of a known protein.~~

22. (Cancelled)

23. (Cancelled)

24. (Previously presented): The protein standard according to claim 21, wherein detection intensity of the detection assay is related to the polypeptide amount.
25. (Currently amended): A protein standard kit comprising a carrier means having in close confinement therein at least one container means ~~contains~~ containing the protein standard according to claim 21.
26. (Currently amended): A method of using a protein standard to estimate the size and the amount of ~~the~~ a polypeptide in a protein sample comprising:
- (a) electrophoresing simultaneously in separate lanes on a gel the protein standard of claim 21 and the protein sample;
 - (b) detecting the polypeptides on the gel with a detection assay to obtain relative positions and relative detection intensities of the polypeptides;
 - (c) comparing the relative positions of polypeptides of said protein standard with the relative position of polypeptide in the protein sample to estimate its size; and
 - (d) comparing the relative detecting intensities of polypeptides of said protein standard with the relative detecting intensity of polypeptide in the protein sample to estimate its amount.
27. (Previously presented): The method according to claim 26, wherein detection intensity of the detection assay is related to the polypeptide amount.
28. (Previously presented): The method according to claim 26, wherein the protein sample contains one or more polypeptides.
29. (Currently amended): A method of preparing a protein standard comprising:

- (a) obtaining at least three polypeptides with different sizes;
- (b) estimating the amount of each of the polypeptides with a detection assay using different amounts of a known protein as standard by comparing the staining intensities of the polypeptides with the staining intensities of the different amounts of the known protein; and
- (c) combining the polypeptides such that each has different size from one another and different amount from one another.

30. (Currently amended): The protein standard according to claim 29, wherein the known protein is ~~a commonly used quantity standard protein such as~~ bovine serum albumin, lysozyme, or IgG insulin.

31. (Previously presented): The protein standard according to claim 29, wherein the known protein is any chosen protein with known size and quantity.

32. (Cancelled)

33. (Previously presented): The method according to claim 29, wherein the sizes of the polypeptides in the protein standard is separable by a given polyacrylamide gel electrophoresis.

34. (Previously presented): The method according to claim 29, wherein the amounts of the polypeptides in the protein standard is detectable by a given detection assay.

35. (Previously presented): The method according to claim 29, wherein the amount of each of the polypeptides is estimated by relative detection intensity of a protein assay.

36. (Previously presented): The method according to claim 35, wherein detection intensity of the protein assay is related to the polypeptide amount.

37. (Previously presented): The method according to claim 29, wherein the amount of each of the polypeptides is estimated by polyacrylamide gel electrophoresis followed by a detection assay.

38. (Previously presented): The method according to claim 37, wherein detection intensity of the detection assay is related to the polypeptide amount.